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	\bar{y}	\bar{z}	
x	$\frac{2}{5}x$	$\frac{3}{5}x$	ממ"מ
$1-x$	$\frac{1}{5}(1-x)$	$\frac{4}{5}(1-x)$	ר"י
	0.28	0.72	

נסמן את המרחב $x \rightarrow$ ונחלק את המרחב
קונטקסט

$$P(\bar{z} \cap \text{ממ"מ}) = \frac{3}{5}x$$

$$P(\bar{y} \cap \text{ר"י}) = \frac{1}{5}(1-x)$$

יכולים גם להשתמש במטריצה

$$\frac{3}{5}x + \frac{4}{5}(1-x) = 0.72$$

$$\frac{3}{5}x + \frac{4}{5} - \frac{4}{5}x = 0.72$$

$$-\frac{1}{5}x = -0.18 \Rightarrow x = 0.6$$

$$P(\text{ממ"מ} | \bar{z}) = \frac{P(\text{ממ"מ} \cap \bar{z})}{P(\bar{z})} = \frac{\frac{3}{5} \cdot 0.6}{0.72} = 0.5$$

ר"י
ק"י

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	\bar{y}	\bar{z}	\bar{w}	
x			$\frac{1}{3}x$	ר"ב
$1-x$			$\frac{2}{3}(1-x)$	ק"ב
	0.1	0.3	0.6	

ק"ב - ר"ב

$$\frac{1}{3}x + \frac{2}{3}(1-x) = 0.6$$

$$\frac{1}{3}x + \frac{2}{3} - \frac{2}{3}x = 0.6$$

$$0.15 = \frac{1}{3}x$$

$$x = 0.36$$

$$\Rightarrow P(\bar{w}) = x = 0.36$$

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	$\frac{5}{6} \cap \bar{y}$	$\frac{4}{6} \cap \bar{y}$	$\frac{3}{6} \cap \bar{y}$	
0.6	$\frac{1}{2}(0.5-x)$	$\frac{2}{3}x$	0.3	ר"ב
0.4	$\frac{1}{2}(0.5-x)$	$\frac{1}{3}x$	0.2	ק"ב
	0.5-x	x	0.5	

נסמן את x ונחלק

$$P(\bar{y} \cap \bar{z}) = 0.6 \cdot 0.5 = 0.3$$

$$\frac{3}{5}P(\bar{z}) = P(\bar{y} \cap \bar{z})$$

$$\frac{3}{5}P(\bar{z}) = 0.3$$

$$P(\bar{z}) = 0.5$$

$$P(\bar{y}) = 0.6 = \underbrace{\frac{1}{2}(0.5-x)}_{P(5 \cap \bar{y})} + \underbrace{\frac{2}{3}x}_{P(4 \cap \bar{y})} + \underbrace{0.3}_{P(3 \cap \bar{y})}$$

$$0.6 = 0.25 - \frac{1}{2}x + \frac{2}{3}x + 0.3$$

$$0.05 = \frac{1}{6}x \Rightarrow \underline{x = 0.3}$$

$$P(\bar{z}) = 0.5$$

$$P(\bar{y}) = 0.5 - x = 0.2$$

ר"ב

ק"ב